

CLAIMS

What is claimed is:

SUB A17

1 A method for recovering data in a plurality of systems comprising the steps of:

- 2 a) allowing at least one system of the plurality of systems to fail;
- 3 b) retaining a plurality of locks of the at least one system; and
- 4 c) restarting the at least one system utilizing minimal resources.

1 2. The method of claim 1 wherein step b) further comprises allowing another system of

2 the plurality of systems to retain the plurality of locks of the at least one system.

1 3. The method of claim 2 wherein step c) further comprises:

- 2 c1) allowing the another system of the plurality of systems to restart the at least
- 3 one system;
- 4 c2) recovering data being protected by the retained locks of the at least one
- 5 system utilizing minimal resources of the another system; and
- 6 c3) allowing the at least one system to terminate in a normal fashion.

1 4. The method of claim 3 wherein minimal resources consists of a predefined plurality

2 of resources necessary to recover the data being protected by the retained locks of the at least

3 one system.

1 5. The method of claim 3 wherein step c1) further comprises:

2 c1i) providing a request to restart the at least one system utilizing minimal
3 resources;
4 c1ii) allowing the another system to detect the request;
5 c1iii) allowing the another system to restart the at least one system based on the
6 request.

1 6. The method of claim 1 wherein the plurality of locks comprise a plurality of data
2 locks.

1 7. A system for recovering data in a plurality of computer systems comprising:
2 means for allowing at least one computer system of the plurality of computer systems
3 to fail;
4 means for retaining a plurality of locks of the at least one computer system; and
5 means for restarting the at least one computer system utilizing minimal resources.

1 8. The system of claim 7 wherein the means for retaining the plurality of locks further
2 comprises means for allowing another computer system to retain the plurality of locks of the
3 at least one computer system.

1 9. The system of claim 8 wherein the means for restarting the at least one computer
2 system further comprises:
3 means for allowing the another computer system to restart the at least one computer
4 system;

5 means for recovering data being protected by the retained locks of the at least one
6 computer system utilizing minimal resources of the another computer system; and
7 means for allowing the at least one computer system to terminate in a normal
8 fashion.

1 10. The system of claim 9 wherein minimal resources consists of a predefined plurality
2 of resources necessary to recover the data being protected by the retained locks of the at least
3 one computer system.

1 11. The system of claim 9 wherein means for allowing the another computer system to
2 restart the at least one computer system further comprises:

3 means for providing a request to restart the at least one computer system utilizing
4 minimal resources;

5 means for allowing the another computer system to detect the request;

6 means for allowing the another computer system to restart the at least one computer
7 system based on the request.

1 12. The system of claim 7 wherein the plurality of locks comprise a plurality of data
2 locks.

1 13. A computer readable medium comprising program instruction for recovering data in
2 a plurality of systems, the program instructions comprising the steps of:

3 a) allowing at least one system of the plurality of systems to fail;

- b) retaining a plurality of locks of the at least one system; and
- c) restarting the at least one system utilizing minimal resources.

14. The computer readable medium of claim 13 wherein step b) further comprises allowing another system of the plurality of systems to retain the plurality of locks of the at least one system.

15. The computer readable medium of claim 14 wherein step c) further comprises:

- c1) allowing the another system of the plurality of systems to restart the at least one system;
- c2) recovering data being protected by the retained locks of the at least one system utilizing minimal resources of the another system; and
- c3) allowing the another system to terminate the at least one system in a normal fashion.

16. The computer readable medium of claim 15 wherein minimal resources consists of a predefined plurality of resources necessary to recover the data being protected by the retained locks of the at least one system.

17. The computer readable medium of claim 15 wherein step c1) further comprises:

- c1i) providing a request to restart the at least one system utilizing minimal resources;
- c1ii) allowing the another system to detect the request;

5 c1 iii) allowing the another system to restart the at least one system based on the
6 request.

1 18. The computer readable medium of claim 13 wherein the plurality of locks comprise a
2 plurality of data locks.

ADD A2

ADD B27